

Oak Park Quarry			PPV Max	PPV - Peak	Min	Sound	Distance		
Blasting Data			Component	Vector Sum	Freq.	Overpressure	from Blast		
			(in/sec)	(in/sec)	(Hz)	(dB)	(ft)		
#1	July 21 (Tuesday)								
	Southeast Corner								
	Explosives per Delay (lbs)	105	Farmhouse - 3579 Oak Park Rd	0.035	0.041	18	109.5	3,485	
	Rock Blasted (tons)	7,295	Mandt - 1191 Liberty Rd	0.320	0.328	16	114.0	1,373	
	Explosives Used (lbs)	2,952	Berninger - 3680 Oak Park Rd	0.180	0.185	20	106.0	1,637	
	Electronic		Liberty Church - 3513 Oak Park Rd	0.290	0.336	34	109.5	1,531	
#2	July 24 (Friday)								
	Southeast Corner								
	Explosives per Delay (lbs)	35	Farmhouse - 3579 Oak Park Rd	no trigger	at 0.02				
	Rock Blasted (tons)	6,650	Mandt - 1191 Liberty Rd	0.138	0.144	10	124.6		
	Explosives Used (lbs)	2,640	Berninger - 3680 Oak Park Rd	0.063	0.076	12	115.6		
	Non-electronic		Liberty Church - 3513 Oak Park Rd	0.153	0.166	20	109.5		
#3	July 29 (Wednesday)								
	Southeast Corner								
	Explosives per Delay (lbs)	30	Farmhouse - 3579 Oak Park Rd	0.045	0.047	28	109.5		
	Rock Blasted (tons)	6,384	Mandt - 1191 Liberty Rd	0.175	0.193	27	120.6		
	Explosives Used (lbs)	2,159	Berninger - 3680 Oak Park Rd	0.115	0.118	23	106.0		
	Non-electronic		Liberty Church - 3513 Oak Park Rd	0.330	0.441	37	106.0		
#4	August 3 (Monday)								
			Gas Pipeline	0.063	0.076	27	115.6	368	
	Explosives per Delay (lbs)	33	Farmhouse - 3579 Oak Park Rd	0.028	0.028	18	100.0	3,485	
	Rock Blasted (tons)	2,128	Mandt - 1191 Liberty Rd	0.080	0.094	14	113.5	1,162	
	Explosives Used (lbs)	792	Property Line - 3680 Oak Park Rd	0.048	0.063	16	112.0	1,531	
	Non-electronic		Liberty Church - 3513 Oak Park Rd	0.090	0.090	26	126.0	1,267	
#5	August 3 (Monday)								
			Gas Pipeline	0.630	0.631	34	124.1	368	
	Explosives per Delay (lbs)	28	Farmhouse - 3579 Oak Park Rd	0.030	0.037	16	100.0	3,485	
	Rock Blasted (tons)	2,768	Mandt - 1191 Liberty Rd	0.130	0.146	30	113.5	1,162	
	Explosives Used (lbs)	928	Property Line - 3680 Oak Park Rd	0.103	0.103	17	109.5	1,531	
	Non-electronic		Liberty Church - 3513 Oak Park Rd	0.060	0.069	28	122.6	1,267	
#6	August 4 (Tuesday)								
			Gas Pipeline	2.200	2.375	21	114.0	256	
	Explosives per Delay (lbs)	33.3	Farmhouse - 3579 Oak Park Rd	0.065	0.073	20	100.0	3,010	
	Rock Blasted (tons)	5,211	Mandt - 1191 Liberty Rd	0.208	0.212	13	115.6	1,003	
	Explosives Used (lbs)	2,000	Property Line - 3680 Oak Park Rd	0.163	0.197	16	100.0	1,373	
	Non-electronic		Liberty Church - 3513 Oak Park Rd	0.058	0.059	22	115.6	2,112	
#7	August 6 (Thursday)								
			Gas Pipeline	1.760	2.036	30	121.6	300	
	Explosives per Delay (lbs)	41	Mandt - 1191 Liberty Rd	0.270	0.291	15	115.6	1,003	
	Rock Blasted (tons)	4,847	Property Line - 3680 Oak Park Rd	0.113	0.134	12	106.0	1,531	
	Explosives Used (lbs)	2,360	Harbort - 1225 Liberty Rd	0.125	0.136	12	106.0	1,584	
	Non-electronic		Liberty Church - 3513 Oak Park Rd	0.068	0.074	26	116.9	2,112	
#8	August 7 (Friday)								
	West Wall on North Side		Gas Pipeline	1.560	1.839	27	123.5	300	
	Explosives per Delay (lbs)		Mandt - 1191 Liberty Rd	0.183	0.183	12	115.6		
	Rock Blasted (tons)	6,253	Property Line - 3680 Oak Park Rd	0.140	0.189	15	109.5		
	Explosives Used (lbs)	2,600	Harbort - 1225 Liberty Rd	0.133	0.138	10	100.0	1,584	
	Non-electronic		Frijelich - 1285 Olstad	0.360	0.364	16	106.0	792	
			Liberty Church - 3513 Oak Park Rd						
#9	August 7 (Friday)								
	Northeast Corner		Gas Pipeline	0.270	0.318	28	120.8	300	
	Explosives per Delay (lbs)	29	Mandt - 1191 Liberty Rd	0.258	0.269	15	106.0		
	Rock Blasted (tons)	4,885	Property Line - 3680 Oak Park Rd	0.118	0.136	13	106.0		
	Explosives Used (lbs)	2,080	Harbort - 1225 Liberty Rd	0.078	0.096	15	100.0	1,584	
	Non-electronic		Frijelich - 1285 Olstad	0.068	0.074	27	100.0	792	
			Liberty Church - 3513 Oak Park Rd	no trigger	at 0.02				
#10	August 11 (Tuesday)								
			Gas Pipeline	0.820	0.829	37	116.9		
	Explosives per Delay (lbs)	48	Mandt - 1191 Liberty Rd	0.410	0.410	14	109.5		
	Rock Blasted (tons)	5,157	Property Line - 3680 Oak Park Rd	0.170	0.170	20	106.0		
	Explosives Used (lbs)	2,720	Harbort - 1225 Liberty Rd	0.108	0.118	20	106.0		
	Non-electronic		Frijelich - 1285 Olstad	0.173	0.201	20	115.6		
			Liberty Church - 3513 Oak Park Rd	0.090	0.097	20	106.0	*See note below	
			* Note: Event Report for the Church on August 11 that was turned into the Town was incorrect - used data given to Church instead						
#11	August 12 (Wednesday)								
	Misfire !!!!!!!		Gas Pipeline	1.680	1.723	30	127.6	300	
	Explosives per Delay (lbs)	36	Mandt - 1191 Liberty Rd	0.193	0.218	11	135.3		
	Rock Blasted (tons)	5,211	Property Line - 3680 Oak Park Rd	0.138	0.144	24	118.1		
	Explosives Used (lbs)	2,160	Harbort - 1225 Liberty Rd						
	Non-electronic		Frijelich - 1285 Olstad	0.320	0.374	21	128.9	792	
	Seismograph not working at church		Liberty Church - 3513 Oak Park Rd	0.038	0.053	20	<100.0		
#12	August 14 (Friday)								
			Gas Pipeline	1.440	1.510	21	120.0	300	

	Explosives per Delay (lbs)	44	Mandt - 1191 Liberty Rd	0.153	0.184	12	119.1	1,003	
	Rock Blasted (tons)	5,102	Property Line - 3680 Oak Park Rd	0.108	0.118	18	106.0	1,373	
	Explosives Used (lbs)	2,640	Harbort - 1225 Liberty Rd	0.083	0.097	11	100.0		
	Non-electronic		Frjelijch - 1285 Olstad	0.460	0.463	16	109.5	528	
			Liberty Church - 3513 Oak Park Rd	0.045	0.047	23	109.5	2,059	
#13	August 14 (Friday)								
			Gas Pipeline	0.870	0.902	28	118.1	350	
	Explosives per Delay (lbs)	42	Mandt - 1191 Liberty Rd	0.258	0.308	14	112.0	898	
	Rock Blasted (tons)	4,885	Property Line - 3680 Oak Park Rd	0.245	0.246	16	100.0	1,373	
	Explosives Used (lbs)	2,238	Harbort - 1225 Liberty Rd	0.128	0.134	15	100.0		
	Non-electronic		Frjelijch - 1285 Olstad	0.140	0.173	19	106.0	634	
			Liberty Church - 3513 Oak Park Rd	0.083	0.091	24	109.5	212 (error ?)	
#14	August 18 (Tuesday)								
			Gas Pipeline	0.510	0.530	24	120.0		
	Explosives per Delay (lbs)	42	Mandt - 1191 Liberty Rd	0.450	0.473	16	112.0		
	Rock Blasted (tons)	5,157	Property Line - 3680 Oak Park Rd	0.175	0.203	14	109.5		
	Explosives Used (lbs)	2,400	Harbort - 1225 Liberty Rd	0.140	0.141	17	106.0		
	Non-electronic		Frjelijch - 1285 Olstad	0.168	0.182	11	114.0		
			Liberty Church - 3513 Oak Park Rd	0.093	0.096	19	116.9		
	Seismograph Check		State Seismograph at the Church	0.090	0.098	20	119.0		
#15	August 24 (Monday)								
			Gas Pipeline	1.680	1.793	15	109.5	320	
	Explosives per Delay (lbs)	42	Mandt - 1191 Liberty Rd	0.168	0.177	12	122.3	1,056	
	Rock Blasted (tons)	5,157	Property Line - 3680 Oak Park Rd	0.125	0.152	10	106.0	1,373	
	Explosives Used (lbs)	2,400	Harbort - 1225 Liberty Rd	0.080	0.081	12	125.1	1,584	
	Non-electronic		Frjelijch - 1285 Olstad	0.440	0.492	17	114.0	686	
			Liberty Church - 3513 Oak Park Rd	0.078	0.094	20	116.9	2,112	
#16	September 8 (Tuesday)								
			Gas Pipeline						
	Explosives per Delay (lbs)	35	Mandt - 1191 Liberty Rd						
	Rock Blasted (tons)	5,102	Property Line - 3680 Oak Park Rd						
	Explosives Used (lbs)	2,080	Harbort - 1225 Liberty Rd						
	Non-electronic		Frjelijch - 1285 Olstad						
			Liberty Church - 3513 Oak Park Rd	0.320	0.371	30	118.1		
#17	September 14 (Monday)								
			Gas Pipeline						
	Explosives per Delay (lbs)		Mandt - 1191 Liberty Rd						
	Rock Blasted (tons)		Property Line - 3680 Oak Park Rd						
	Explosives Used (lbs)		Harbort - 1225 Liberty Rd						
	Non-electronic		Frjelijch - 1285 Olstad						
			Liberty Church - 3513 Oak Park Rd	0.290	0.338	16	106.0		
	Seismograph Check		State Seismograph at the Church	0.300	0.338	22.7	104.0		
#18	September 15 (Tuesday)								
			Gas Pipeline						
	Explosives per Delay (lbs)		Mandt - 1191 Liberty Rd						
	Rock Blasted (tons)		Property Line - 3680 Oak Park Rd						
	Explosives Used (lbs)		Harbort - 1225 Liberty Rd						
	Non-electronic		Frjelijch - 1285 Olstad						
			Liberty Church - 3513 Oak Park Rd	0.370	0.453	22	106.0		
#19	September 17 (Thursday)								
	Southeast Corner		Gas Pipeline						
	Explosives per Delay (lbs)		Mandt - 1191 Liberty Rd						
	Rock Blasted (tons)		Property Line - 3680 Oak Park Rd						
	Explosives Used (lbs)		Harbort - 1225 Liberty Rd						
	Non-electronic		Frjelijch - 1285 Olstad						
			Liberty Church - 3513 Oak Park Rd	0.0213			100.0		